Atty. Docket No. 1140-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Konstantinos Amouris   Group Art Unit: 2661

SERIAL NO.:   09/855,297   FILED: May 15, 2001

EXAMINER: Not Yet Assigned

FOR: METHOD FOR DYNAMICALLY ALLOCATING TIME SLOTS OF A
COMMON TDMA BROADCAST CHANNEL TO A NETWORK OF
TRANSCEIVER NODES

Assistant Commissioner for Patents
Washington, DC 20231

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JAN 1 1 2002

Technology Center 2600

MARKED-UP VERSIONS OF THE AMENDMENTS

Sir:

Marked-up versions of the amendments in accordance with 37 C.F.R. §

1.121 are provided below:

Marked-Up Versions of Claims 1 and 12:

1.   A method for allocating a set of time slots belonging to a common time

division multiple access (TDMA) channel to a network of transceiver nodes, the

method comprising the steps of:

dividing said set of time slots into a plurality of time slot sub-sets;

defining for each transceiver node a common function that assigns one time slot sub-set of said plurality of time slot sub-sets to each point in space, wherein said each point in space is identified by a unique set of space coordinates; [and]

performing the following steps for each one of said transceiver nodes:

periodically identifying a set of space coordinates; and

allocating to said each one of said transceiver nodes time slots belonging to the time slot sub-set assigned by said common function to the point in space identified by the periodically identified set of space coordinates; and

resolving time slot allocation conflicts occurring when at least two transceiver nodes of said network of transceiver nodes are allocated time slots belonging to an identical time slot sub-set and the distance between said at least two transceiver nodes is less than a predetermined distance threshold.

12.   A system for allocating a set of time slots belonging to a common time division multiple access (TDMA) channel to a network of transceiver nodes, said system comprising:

means for dividing said set of time slots into a plurality of time slot sub-sets;

means for defining for each transceiver node a common function that assigns one time slot sub-set of said plurality of time slot sub-sets to each point in space, wherein said each point in space is identified by a unique set of space coordinates; [and]

means for performing the following steps for each one of said transceiver nodes:

[means for] periodically identifying a set of space coordinates; and

[means for] allocating to said each one of said transceiver nodes time slots belonging to the time slot sub-set assigned by said common function to the point in space identified by the periodically identified set of space coordinates; and

means for resolving time slot allocation conflicts occurring when at least two transceiver nodes are allocated time slots belonging to an identical time slot sub-set and the distance between said at least two transceiver nodes is less than a predetermined distance threshold.

If the Examiner should have any questions concerning this communication or feels that an interview would be helpful, the Examiner is requested to call the Applicant's undersigned attorney at (516) 228-8484.

Respectfully submitted,

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